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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	2004.01.011.WS1
First Inventor	Joseph R. Cleveland
Title	RF RECEIVER HAVING IMPROVED SIGNAL-TO NOISE RATIO AND METHOD OF OPERATION
Express Mail Label No.	EL972877945US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

## ADDRESS TO:

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 38]  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
5. Oath or Declaration [Total Sheets 2]
- a. ☐ Newly executed (original or copy)
- b. ☒ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Certificate of Mailing by Express Mail:.....  
Formal Drawings (5 Sheets).....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 09/606,892.....

Prior application information:

Examiner K. KimArt Unit: 2634For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number: 23990 OR ☐ Correspondence address below

Name					
Address					
City		State		Zip Code	
Country		Telephone		Fax	

Name (Print/Type)	John T. Mockler, Esq.	Registration No. (Attorney/Agent)	39,775
Signature	<i>John T. Mockler</i>	Date	January 21, 2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# FEE TRANSMITTAL

## for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 856.00)

**Complete if Known**

Application Number \_\_\_\_\_  
 Filing Date \_\_\_\_\_  
 First Named Inventor Joseph R. Cleveland  
 Examiner Name \_\_\_\_\_  
 Art Unit \_\_\_\_\_  
 Attorney Docket No. 2004.01.011.WS1

**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:

Deposit Account Number 50-0208

Deposit Account Name Davis Munck

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☐ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	770.00
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
<b>SUBTOTAL (1)</b>			<b>(\$ 770.00)</b>

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
20	-20** = 0	18.00	0.00
4	-3** = 1	86.00	86.00
Multiple Dependent		290.00	0.00

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$ 86.00)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	1052 50	2052 25	Surcharge - late filing fee or oath	
1053 130	1053 130	1812 2,520	1812 2,520	Surcharge - late provisional filing fee or cover sheet	
1804 920*	1804 920*	1805 1,840*	1805 1,840*	Non-English specification	
1805 1,840*	1805 1,840*	2251 55	2251 55	For filing a request for <i>ex parte</i> reexamination	
1251 110	2251 55	2252 210	2252 210	Requesting publication of SIR prior to Examiner action	
1252 420	2252 210	2253 475	2253 475	Requesting publication of SIR after Examiner action	
1253 950	2253 475	2254 740	2254 740	Extension for reply within first month	
1254 1,480	2254 740	2255 1,005	2255 1,005	Extension for reply within second month	
1255 2,010	2255 1,005	2401 165	2401 165	Extension for reply within third month	
1401 330	2401 165	2402 165	2402 165	Extension for reply within fourth month	
1402 330	2402 165	2403 145	2403 145	Extension for reply within fifth month	
1403 290	2403 145	1451 1,510	1451 1,510	Notice of Appeal	
1451 1,510	1451 1,510	1452 110	1452 110	Filing a brief in support of an appeal	
1452 110	1452 110	1453 1,330	1453 1,330	Request for oral hearing	
1453 1,330	1453 1,330	1501 1,330	1501 1,330	Petition to institute a public use proceeding	
1501 1,330	1501 1,330	1502 480	1502 480	Petition to revive - unavoidable	
1502 480	1502 480	1503 640	1503 640	Petition to revive - unintentional	
1503 640	1503 640	1460 130	1460 130	Utility issue fee (or reissue)	
1460 130	1460 130	1807 50	1807 50	Design issue fee	
1807 50	1807 50	1806 180	1806 180	Plant issue fee	
1806 180	1806 180	8021 40	8021 40	Petitions to the Commissioner	
8021 40	8021 40	1809 770	1809 770	Processing fee under 37 CFR 1.17(q)	
1809 770	1809 770	1810 770	1810 770	Submission of Information Disclosure Stmt	
1810 770	1810 770	1801 770	1801 770	Recording each patent assignment per property (times number of properties)	
1801 770	1801 770	1802 900	1802 900	Filing a submission after final rejection (37 CFR 1.129(a))	
1802 900	1802 900			For each additional invention to be examined (37 CFR 1.129(b))	
				Request for Continued Examination (RCE)	
				Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$ 0.00)**SUBMITTED BY**

(Complete (if applicable))

Name (Print/Type) John T. Mockler Registration No. 39,775 Telephone 972-628-3600  
 Signature *John T. Mockler* (Attorney/Agent) Date January 21, 2004

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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DOCKET NO.: 2004.01.011.WS1  
CLIENT NO.: SAMS01-00328  
CUSTOMER NO.: 23990

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of : JOSEPH R. CLEVELAND  
United States Serial No. : To be assigned  
Filing Date : To be assigned  
Prior U.S. Serial No. : 09/606,892  
Prior Filing Date : June 29, 2000  
Prior Examiner : K. Kim  
Group No. : 2634  
For : RF RECEIVER HAVING IMPROVED SIGNAL-TO NOISE RATIO  
AND METHOD OF OPERATION

MAIL STOP PATENT APPLICATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sirs:

CERTIFICATE OF MAILING BY EXPRESS MAIL

The undersigned hereby certifies that the following documents:

1. Postcard receipt;
2. Check in the Amount of \$856.00 for application filing fee (\$770.00) and additional claims filing fee (\$86.00);
3. Utility Patent Application Transmittal (in duplicate);
4. Fee Transmittal for FY 2004 (in duplicate);
5. Preliminary Amendment;
6. Copy of Declaration for Parent Application;
7. Copy of Specification (38 pages) and Informal Drawings (5 sheets) from Parent Application;
8. Formal Drawings (5 sheets) from Parent Application;
9. Information Disclosure Statement;
10. Form PTO/SB/08A; and,
11. Three (3) References.

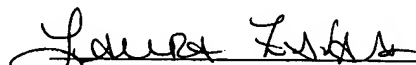
relating to the above application, were deposited as "Express Mail", Mailing Label No. EL972877945US with the United States Postal Service, addressed to: MAIL STOP PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on January 21, 2004.


Date: 1/21/04

Date: 21 Jan. 2004

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